Engineering & sciences applied to the earth & its environment

November 7, 1994 4E02153A-1

Ms. Lisa Marino
U.S. Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

Re: Additional Shallow Well Development

Former Koppers Company, Inc., Newport Site

Newport, Delaware

Dear Ms. Marino:

Woodward-Clyde Consultants (WCC) will perform additional well development work on the Shallow wells at the Former Koppers Company, Inc. Newport Site (Site) this week utilizing surging methods, including surge blocks, as discussed during our telephone conversations on October 6 and 20, 1994 and verbally approved by U.S. Environmental Protection Agency (EPA) on October 26, 1994. We anticipate completion of well development efforts by the end of the week.

Development of the shallow wells installed during the first phase of the Remedial Investigation (RI) at the Site was initially performed on October 3 through 5, 1994, in accordance with procedures specified in the RI Work Plan (WP) and Field Sampling Plan (FSP), dated January 31, 1994. Upon completion of the initial development effort the groundwater from these wells was still turbid. Development of the shallow wells was observed by personnel from Tetra Tech, who made the observation that a surge block of some type should be used to aid in the development of the wells. We whole-heartily agreed with this observation, and the telephone conversations with EPA (referenced above) ensued resulting in EPA's approval of surge blocks for well development at the Site. Surge blocks were not used during the initial development of these wells, because their use was removed from the plans in accordance with EPA comments during the preparation of the project plans.

The comment regarding the use of surge blocks was made upon completion of well development of the shallow wells, but before development of the intermediate wells (Potomac Formation wells). As such, the intermediate wells were developed utilizing surging methods with good results.

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We greatly appreciate your willingness to evaluate technical issues during the course of the RI in the interest of collecting representative data from the Site. If you have any further comments regarding our well development efforts at the Site, please do not hesitate to call.

Very truly yours,

James P. Buczala Project Geologist H. Scott Laird Project Manager

Weith Houseli for

cc:

P. Ludzia - EPA

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